

FIG. 1

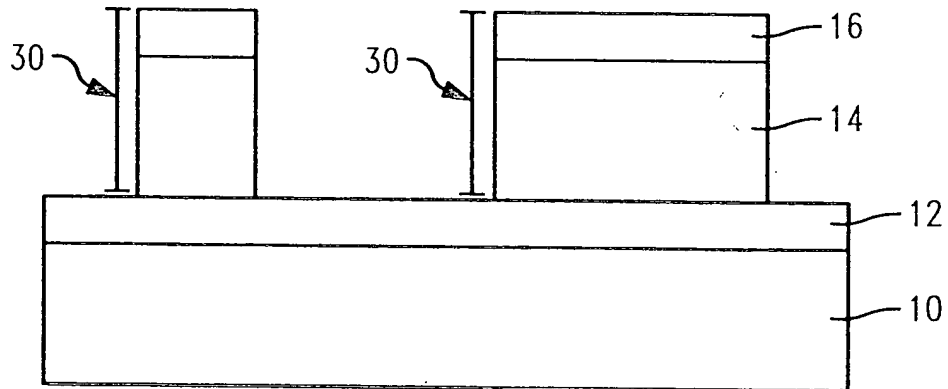


FIG. 2

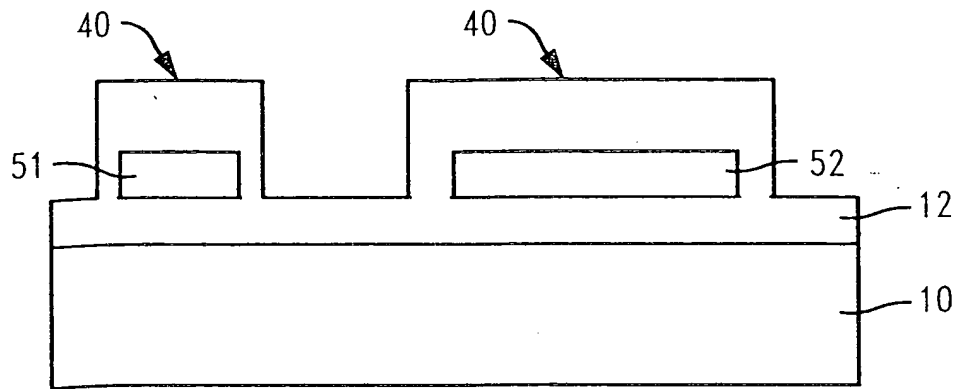
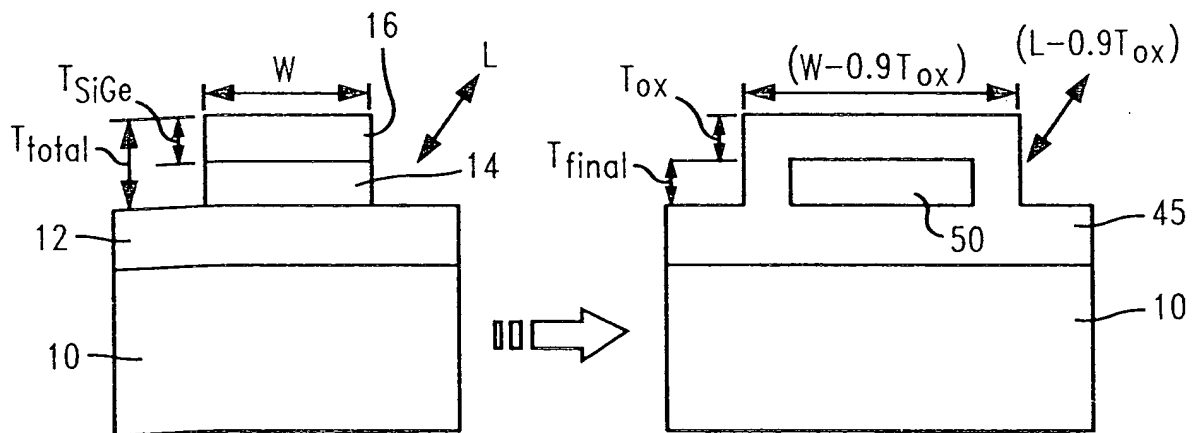


FIG. 3A



$$X_{SGOI} = \frac{(LW t_{SiGe} \times SiGe)}{(L - 0.9 t_{Ox})(W - 0.9 t_{Ox})(t_{Total} - 0.45 t_{Ox})}$$

FIG. 3B

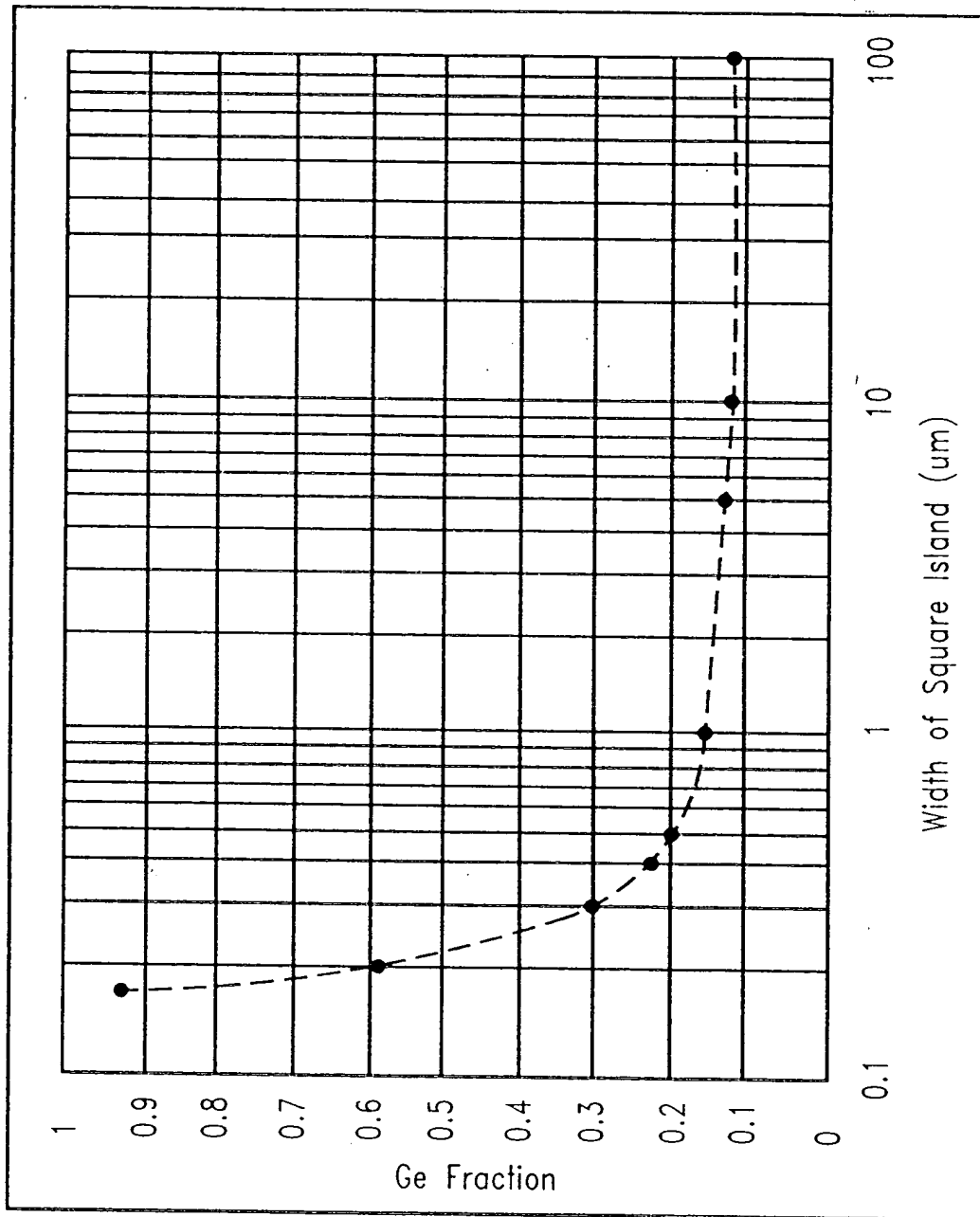


FIG. 4

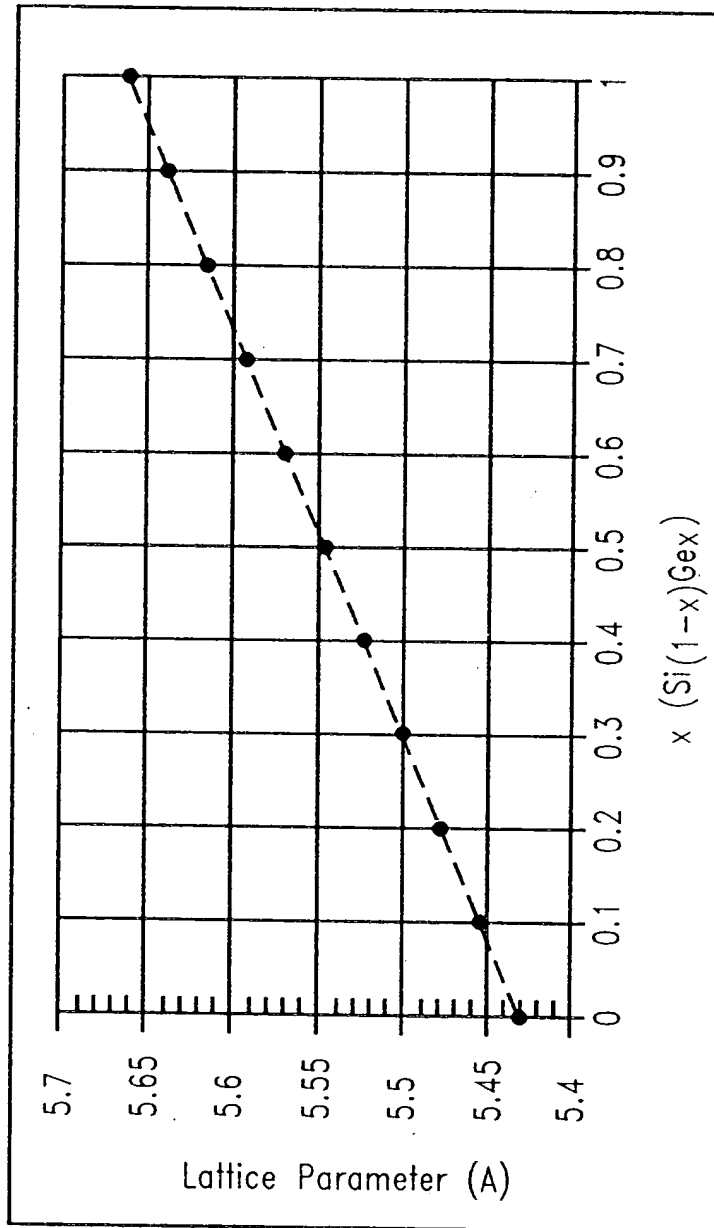


FIG. 5

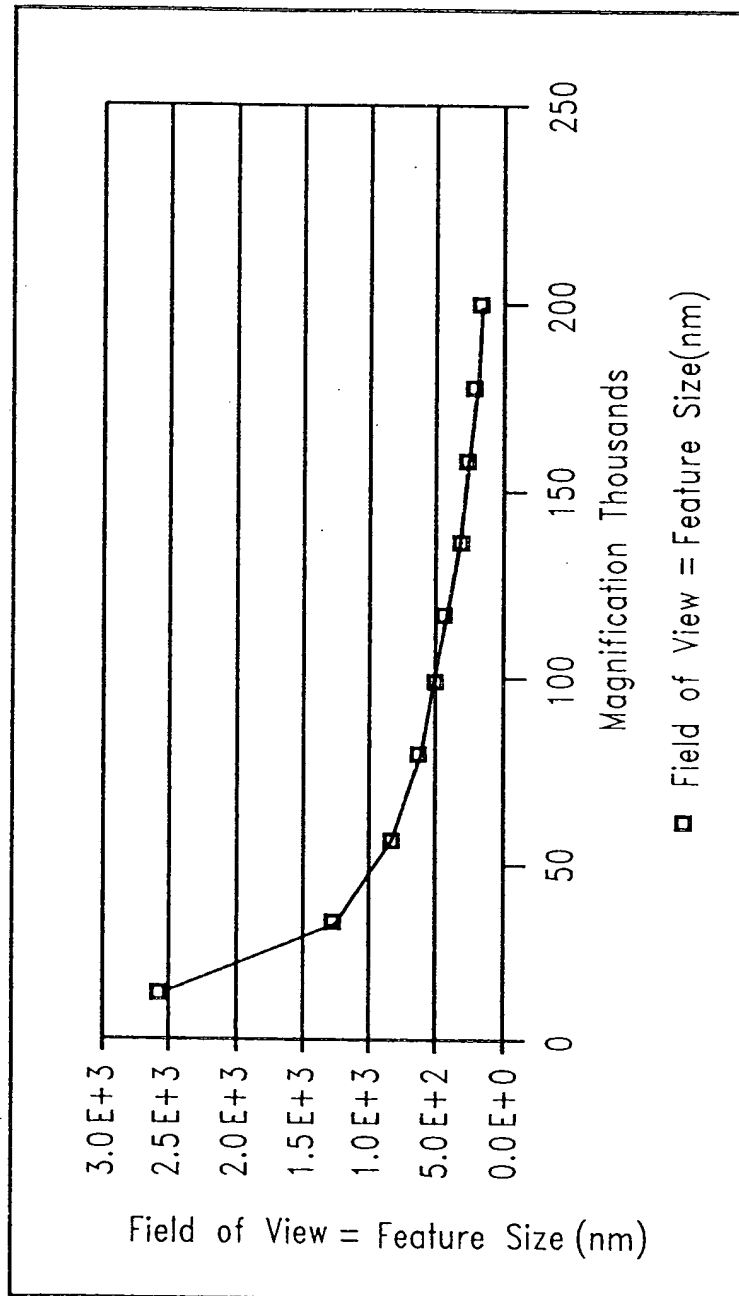


FIG. 6